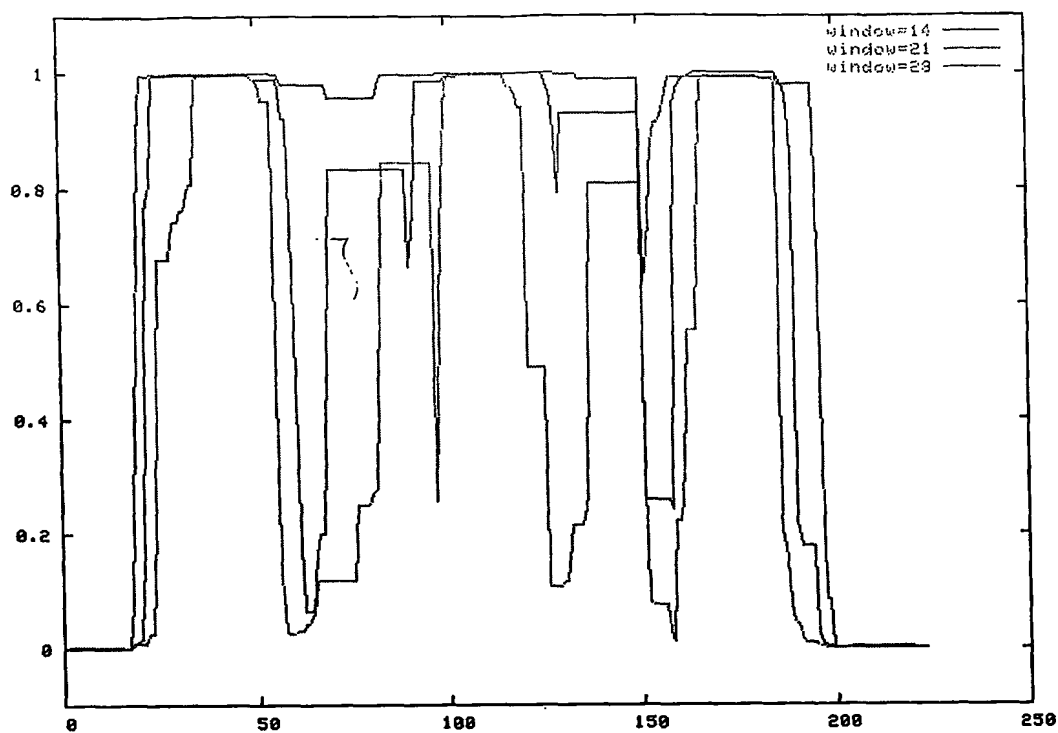
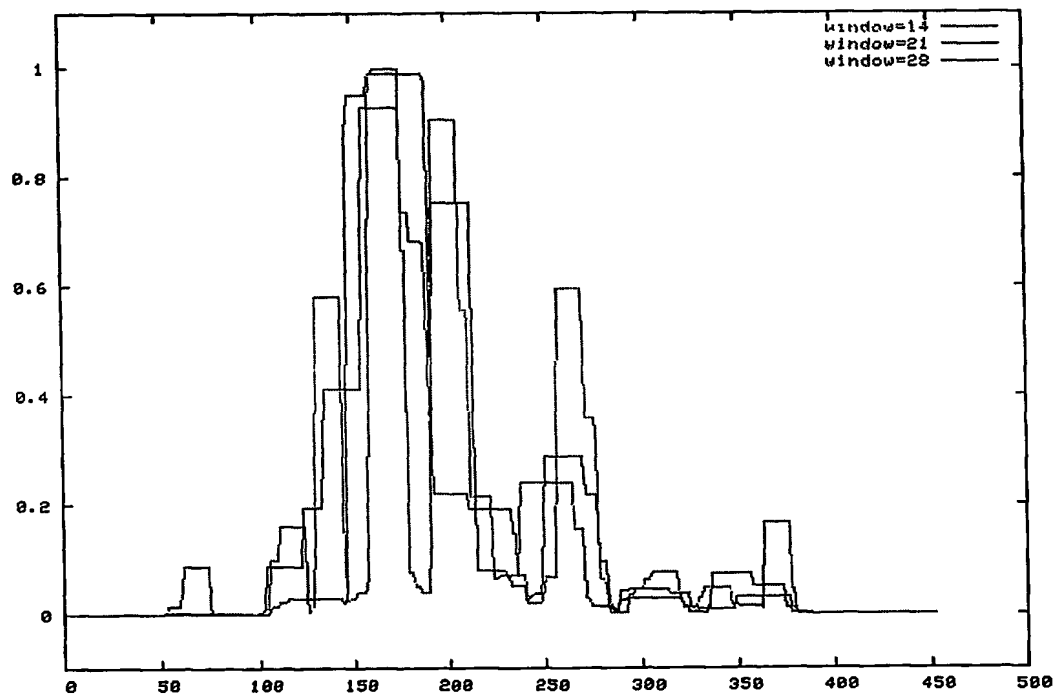
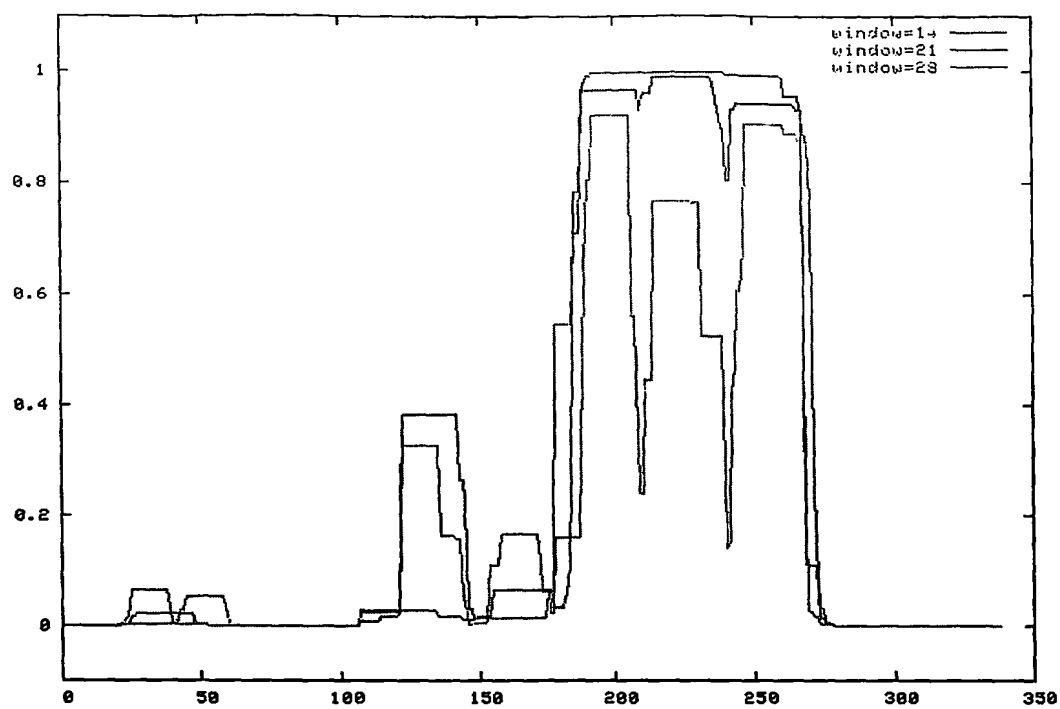
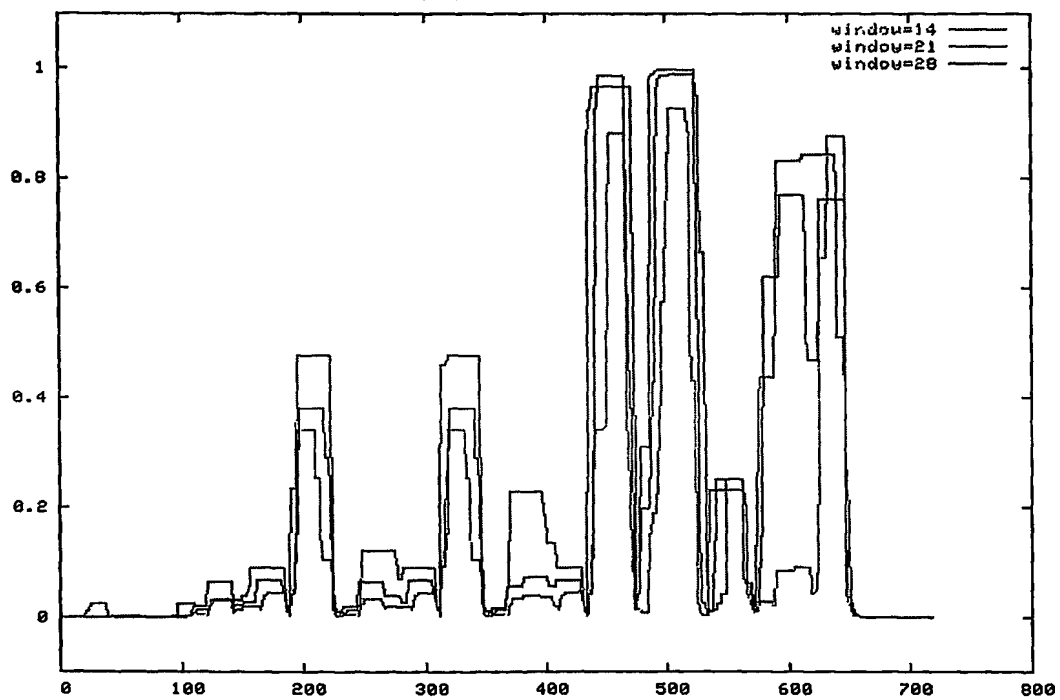


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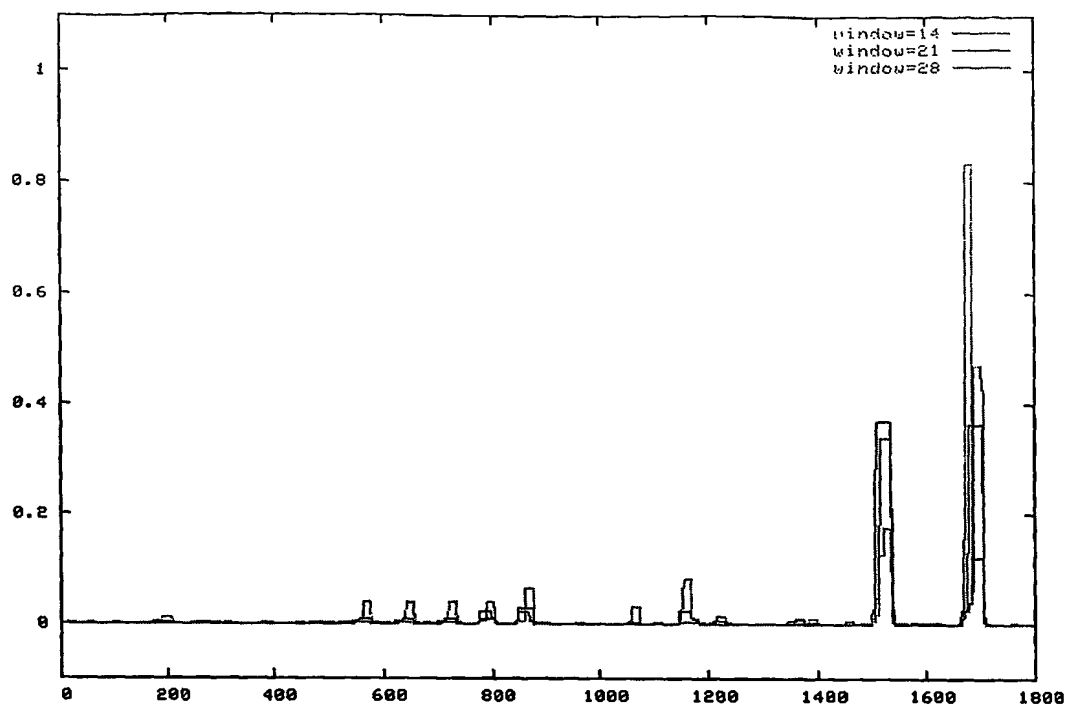
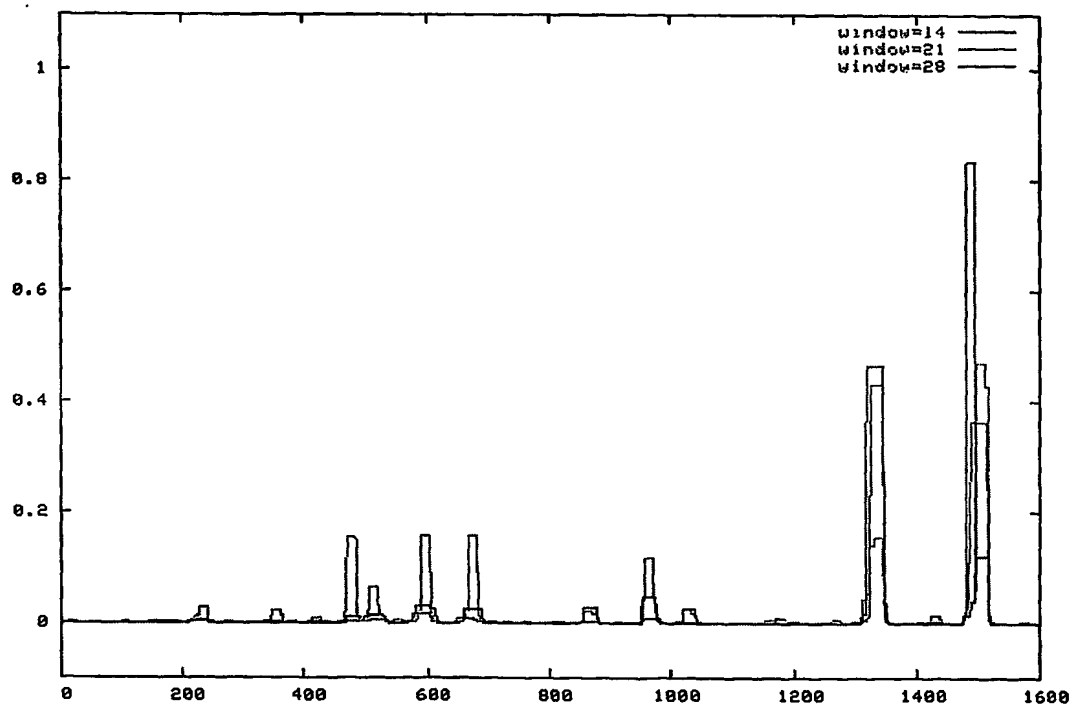
FIGURE 1**FIGURE 2**

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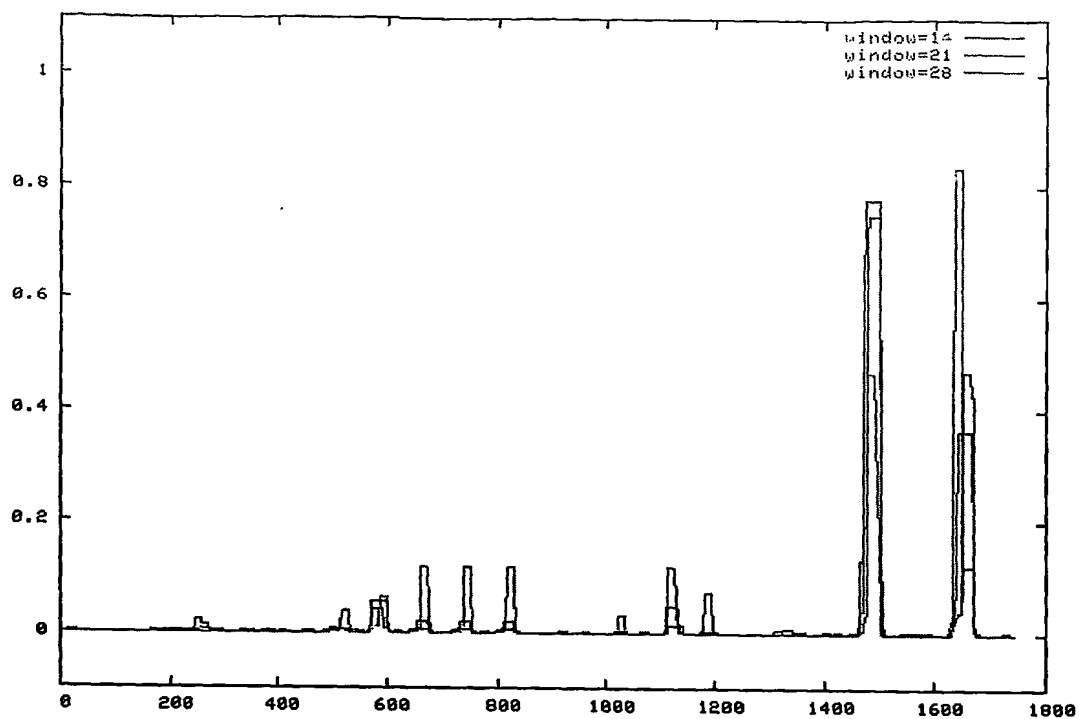
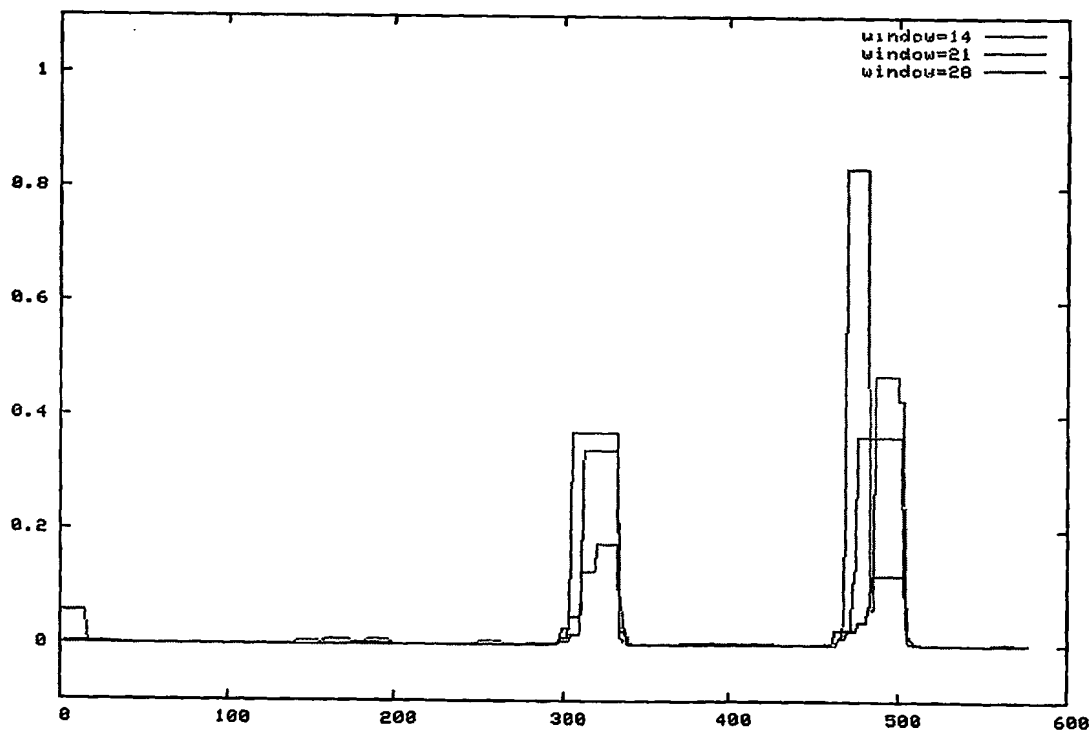
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FIGURE 3**FIGURE 4**

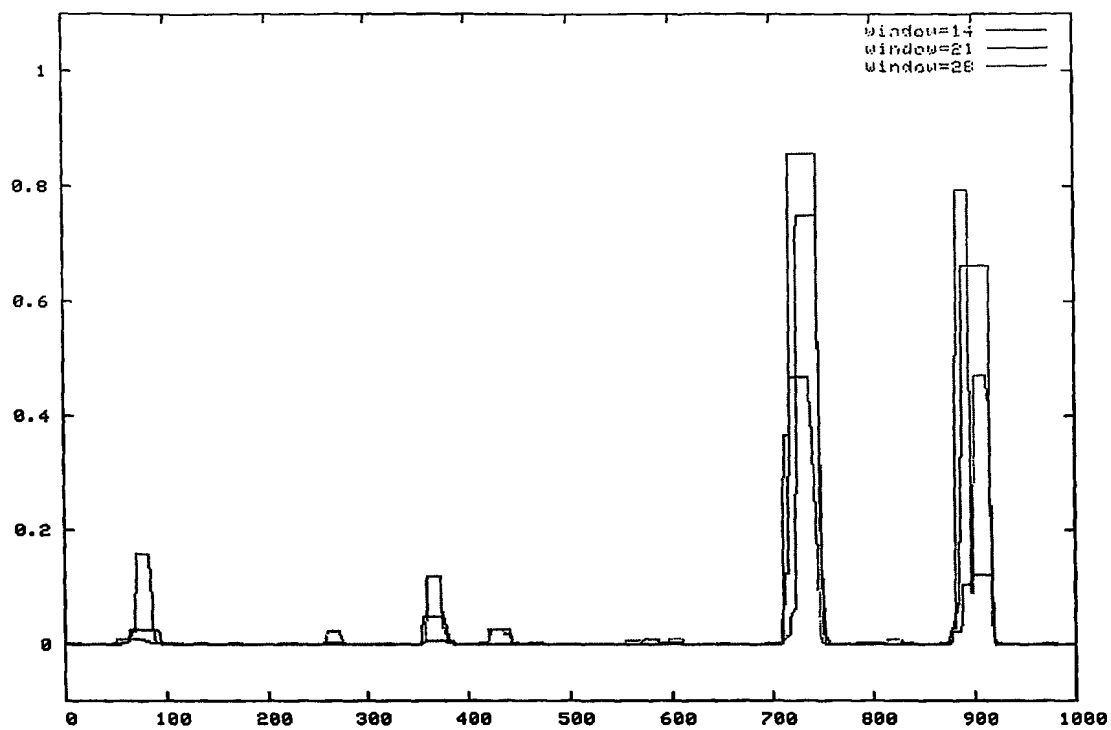
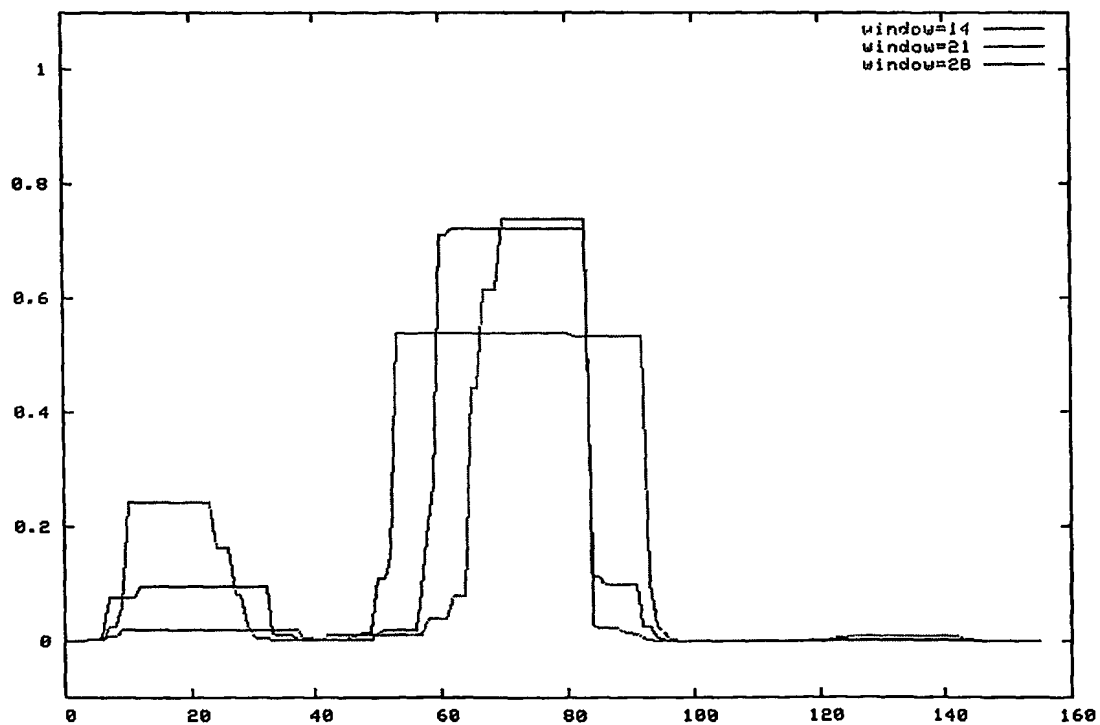
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FIGURE 5**FIGURE 6**

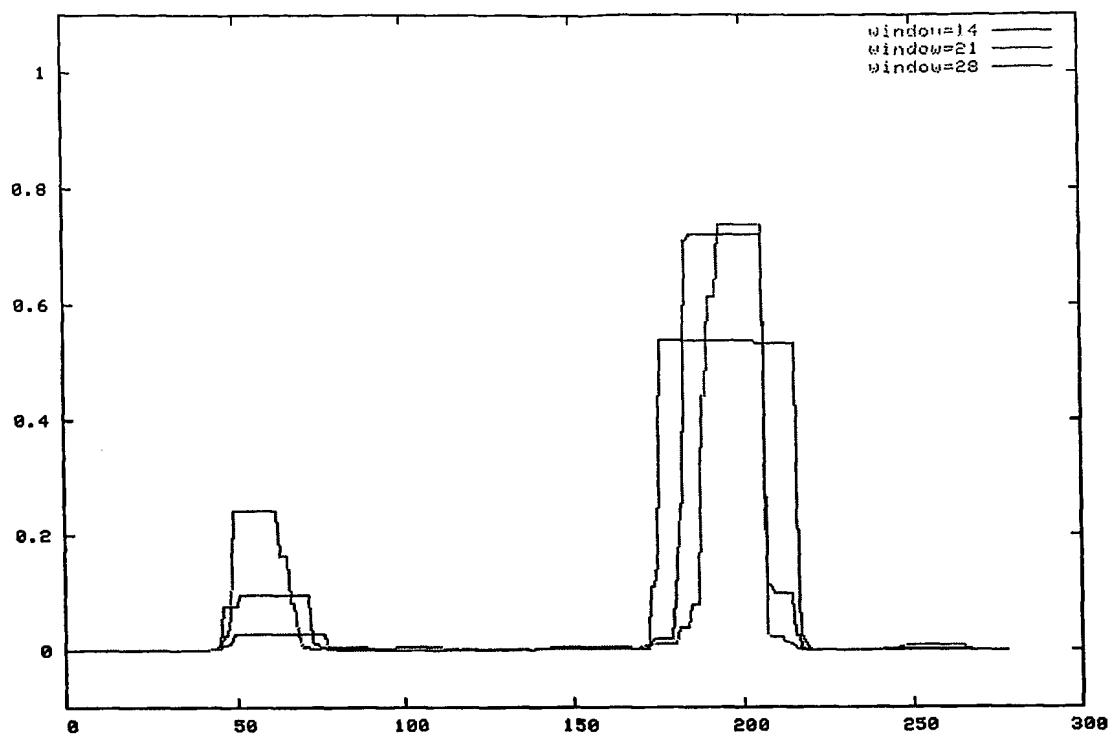
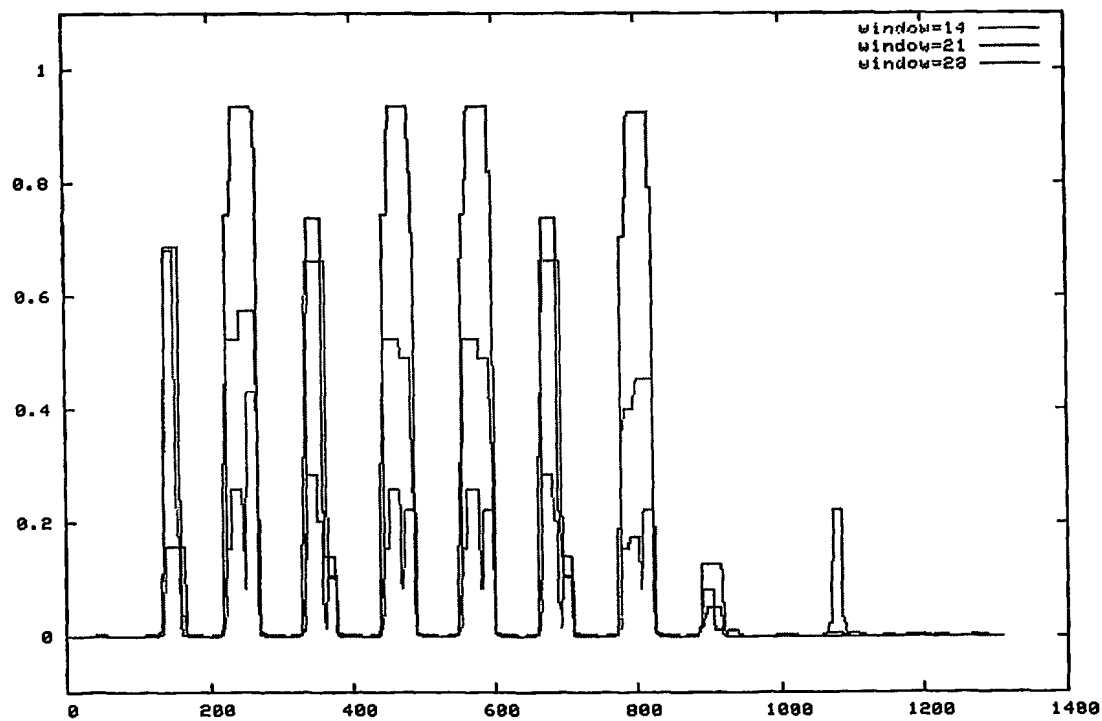
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FIGURE 7**FIGURE 8**

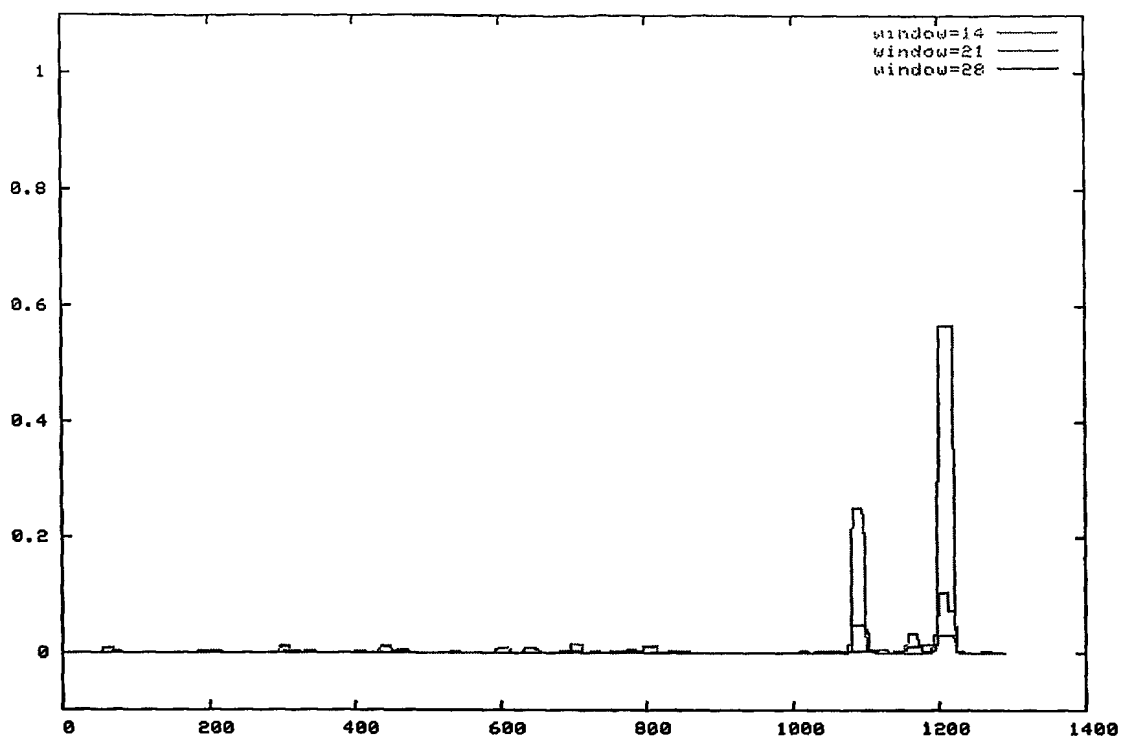
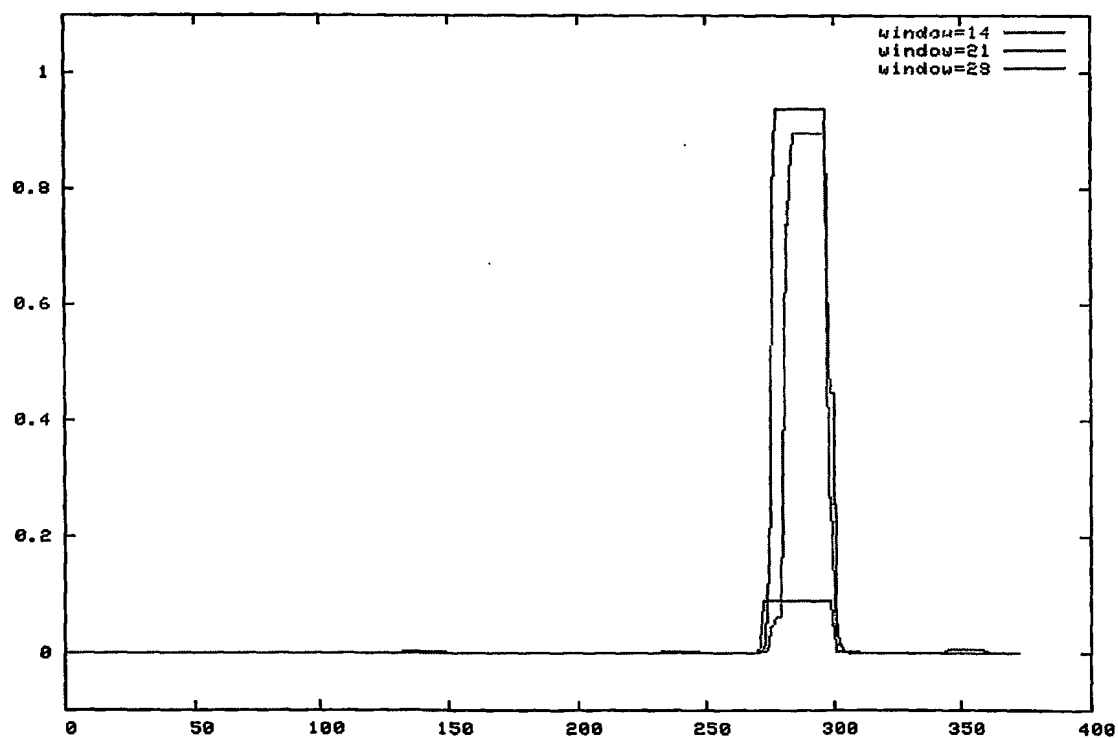
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FIGURE 9**FIGURE 10**

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FIGURE 11**FIGURE 12**

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FIGURE 13**FIGURE 14**

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FIGURE 15

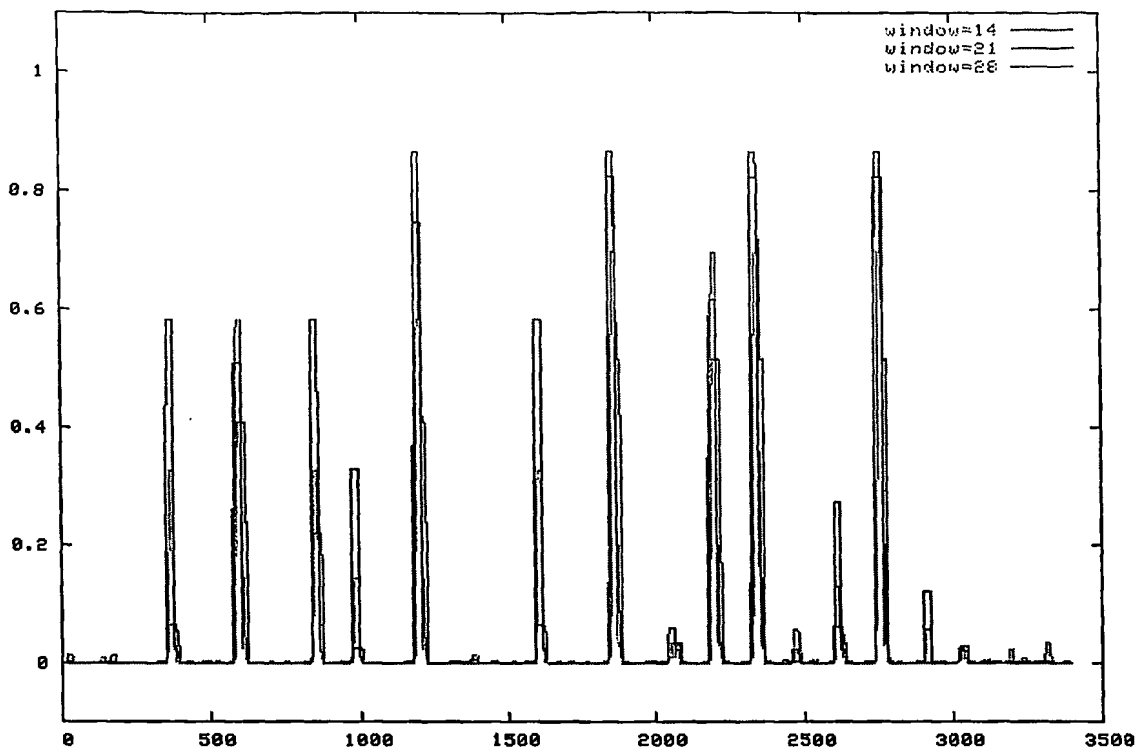
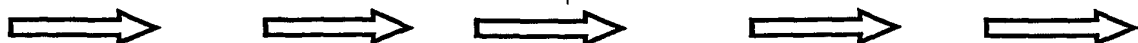
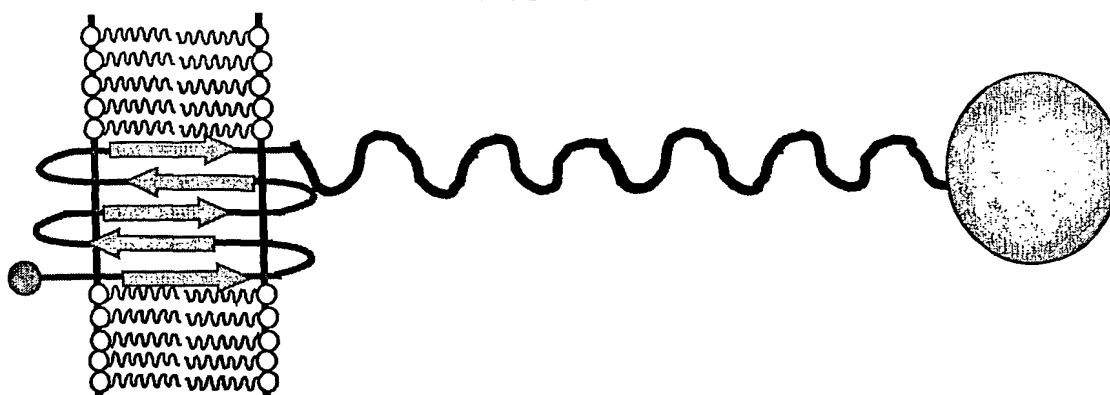
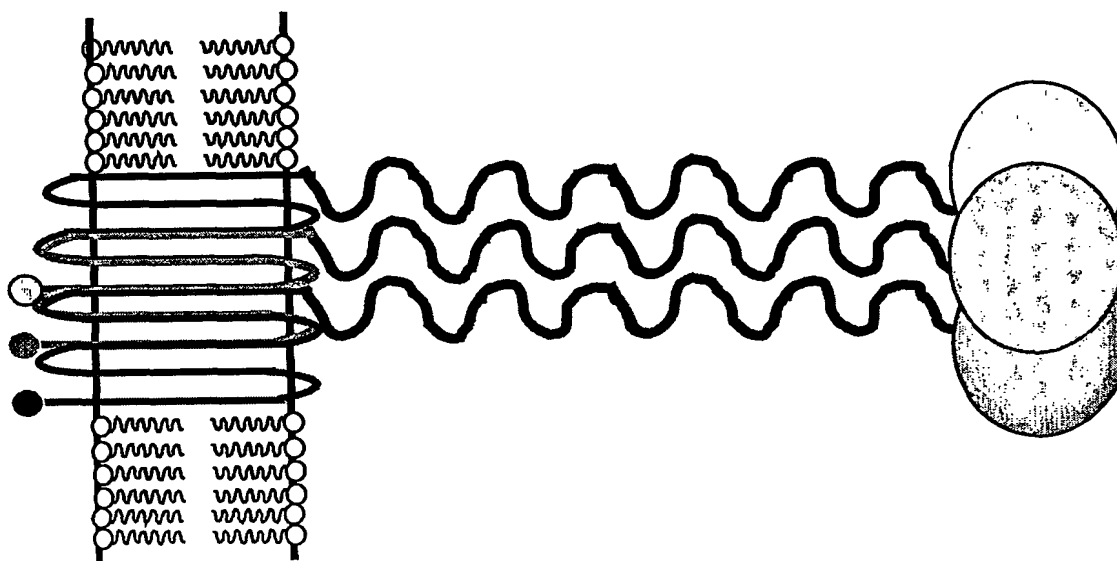
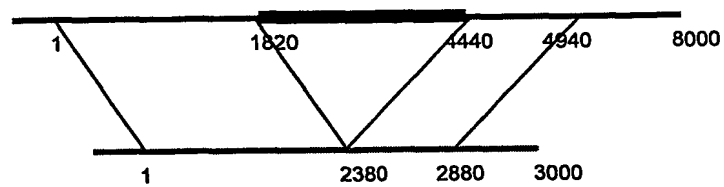
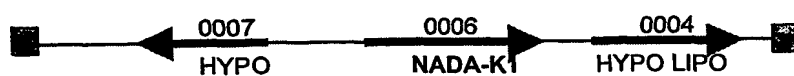


FIGURE 16

ECK1	AGTSAIATASQPOVKTGDMVMVSEAGSTENGESAVSVGTS--FNAGHTTVLKAGISADTQSDFGAGVGVGYSE
EHEC	AGTSAIATASQPOVKTGDMVMVSEAGSTENGESAVSVGTS--FNAGHTTVLKAGISADTQSDFGAGVGVGYSE
EPEC	AGTSAIATASQPOVKTGDMVMVSEAGSTENGESAVSVGTS--FNAGHTTVLKAGISADTQSDFGAGVGVGYSE
EAEC	AGTSAIATASQPOVKAGDFMMMSAGSTENGESAVSVGTS--FNAGHTTVLKAGISADTQSDFGAGVGVGYSE
HAESO	AGTSAVALGMLPQSTAPGKSLVSLVGHHRGQSATAIGVSS-MSSNGKVVVKGGMSYDTQRHATFGGSGVGFEN
RALSO	SGTAAATATMLPDPVDQGKSTATGIGSATYKGYQAVAGASA-RISHN-LKAKMGVGYSSSE-GTIVGMGASTON
BURFO	AEIATAATATMLPDPVDQGKSTATGIGSATYKGYQAVAGASA-RITON-LKAKAGAGTSSQ-GTIVGLGASTON
SAA	AEIAGAMATAIPMID-GKQYSFGMAASNRYDEQATAAGHIE-RTSEN-TVVRINTSWDTQHGTVATGMSIGW
UPEC	GGTASAMAMTIGLPQAYTPGASMASIEGGSTENGESAVAGVSM-VSANGRWVYKLGSTNSQGEYSAALGAGIQW
SHIFL	GGTASAMAMTIGLPQAYTPGASMASIEGGSTENGESAVAGVSM-VSANGRWVYKLGSTNSQGEYSAALGAGIQW
NADA	QGLAEQAALSGLEQPYNVGRFNVTPAVGGYKSESFAVAIGTIGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNVEW
HADA	RGLAQQAALNGLEQPYNVGKLNLTAVGGYKSKTAVAVGTIGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNVEW
ACTAC	NGLAQQAALSGLEQPYNVGSLNLSAAGGGYKSKTAVAVGTIGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNVEW
EIBC	RAAAQSAALTGLEQPYSVGKFNATAAVGGYSDQQLAVGVGYRFEQTAAKAGVAFSD-GD--ASWNVGVNFEF
EIBD	RAAAQSAALTGLEQPYSVGKFNATAAVGGYSDQQLAVGVGYRFEQTAAKAGVAFSD-GD--ASWNVGVNFEF
EIBF	RAAAQSAALTGLEQPYSVGKFNATAAVGGYSDQQLAVGVGYRFEQTAAKAGVAFSD-GD--ASWNVGVNFEF
EIBA	RAAAQSAALTGLEQPYSVGKFNATAAVGGYSDQQLAVGVGYRFEQTAAKAGVAFSD-GD--ASWNVGVNFEF
EIBE	RAAAQSAALAGLEQPYSVGKFNATAALGGYSDQQLAVGVGYRFEQTAAKAGIAPSD-GD--VSYNMGVNFEF
USPA2	NEMAAQAALSGLEQPYSVGKFNATAALGGYKSKTAVAVGTIGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNVEW
YADA	KELASSAALNSLEQPYGVGRVNFYTAGVGGYKSSQALAIGSGYRVNENVALKAGVAVAGSSD--VMYNASFNIEW
DSRA	TELANQSALSMLEQPNGVGKTSVSEAVGGYRDKTALAIGVGSRTDRFTAKAGVAFNTYNGG-MSYGASVGYEF
BRUME	AGAANAALSGLEQRYDNRPGKVSIATGVGGYKSKTALAAGIGY-TSKNENARYNVV-VAYNEAGTSWAGASF.TLN
BRUSU	AGAANAALSGLEQRYDNRPGKVSIATGVGGYKSKTALAAGIGY-TSKNENARYNVV-VAYNEAGTSWAGASF.TLN
BRUME2	QAAATGLAASLRYYDRPGKISAAIGGGFWREGAVAGLGLH-TSEDQMRSNLS-AATSGGNWGMGAGFSYTFN
BRUSU2	QAAATGLAASLRYYDRPGKISAAIGGGFWREGAVAGLGLH-TSEDQMRSNLS-AATSGGNWGMGAGFSYTFN
SINME	QAAATGLAASLRYYDRPGKISAAIGGGFWREGAVAGLGLH-TSEDGRVRANLT-GAAAGGNVGVGAGLSITLN
BRAJA	GGVALALPASSLQFDRPBGKISVSGGFGNEQOSGLAVGLEYSYSD-AMRFNAFTAAQQAIGVVRAGASNTLN



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FIGURE 17**ANCHOR****STALK****HEAD****FIGURE 20****K1****K12**

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FIGURE 18

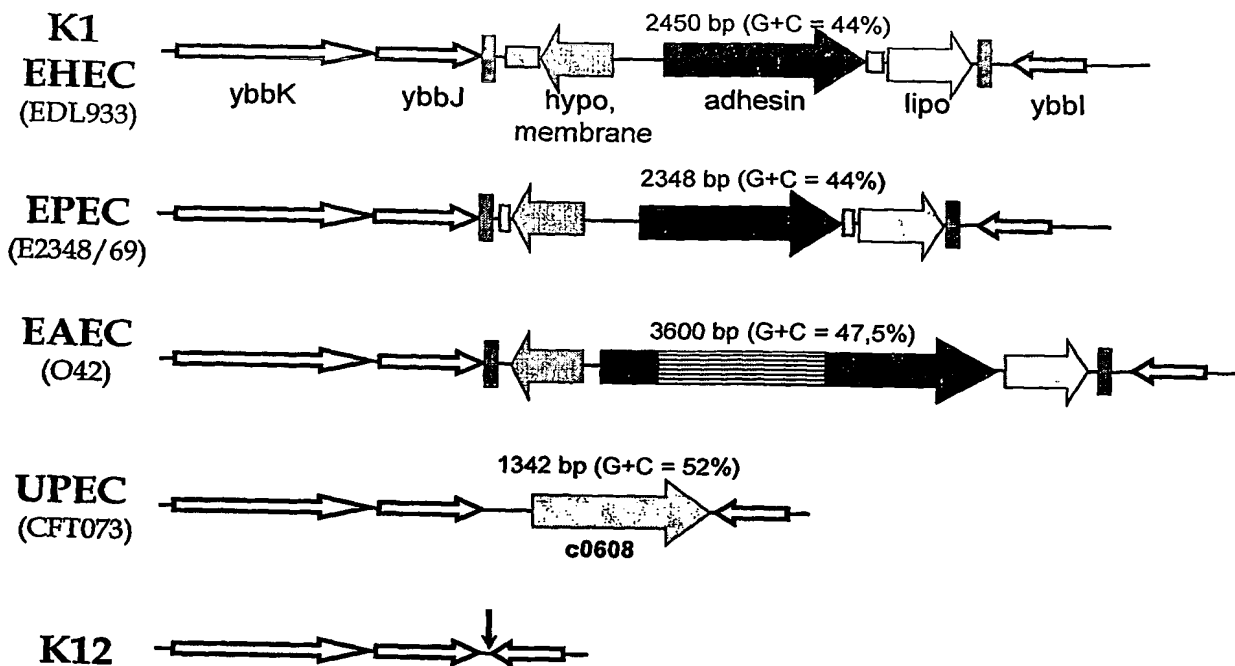
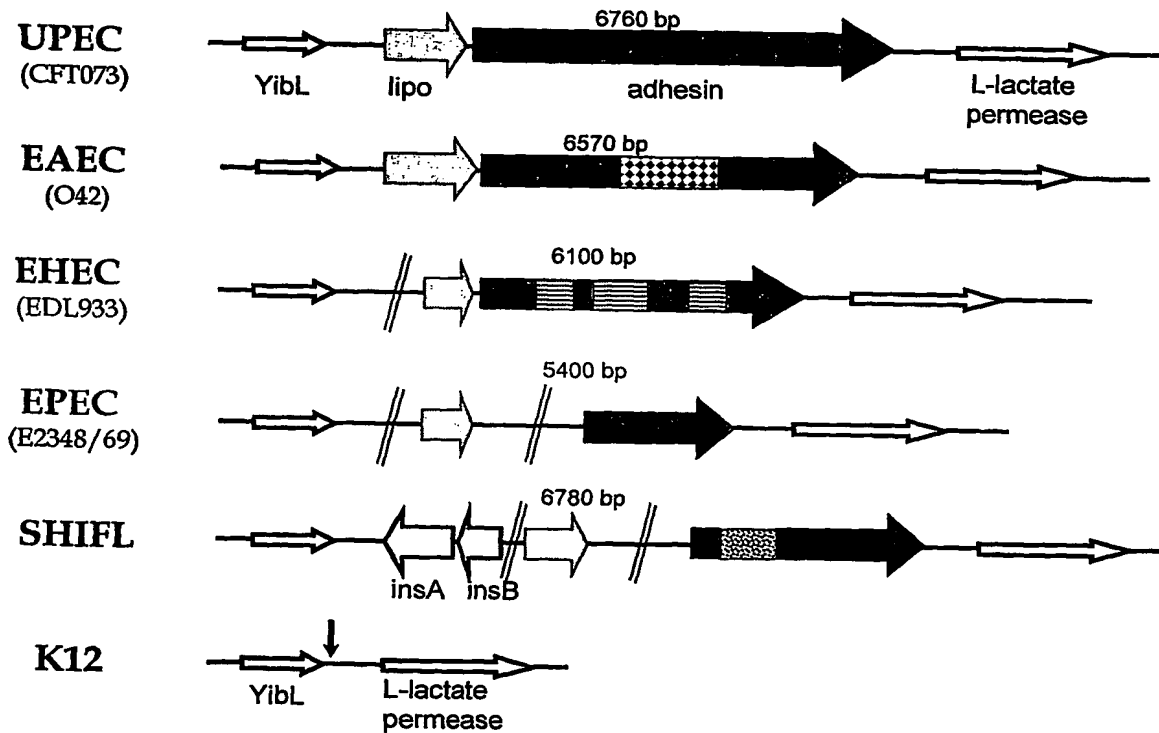
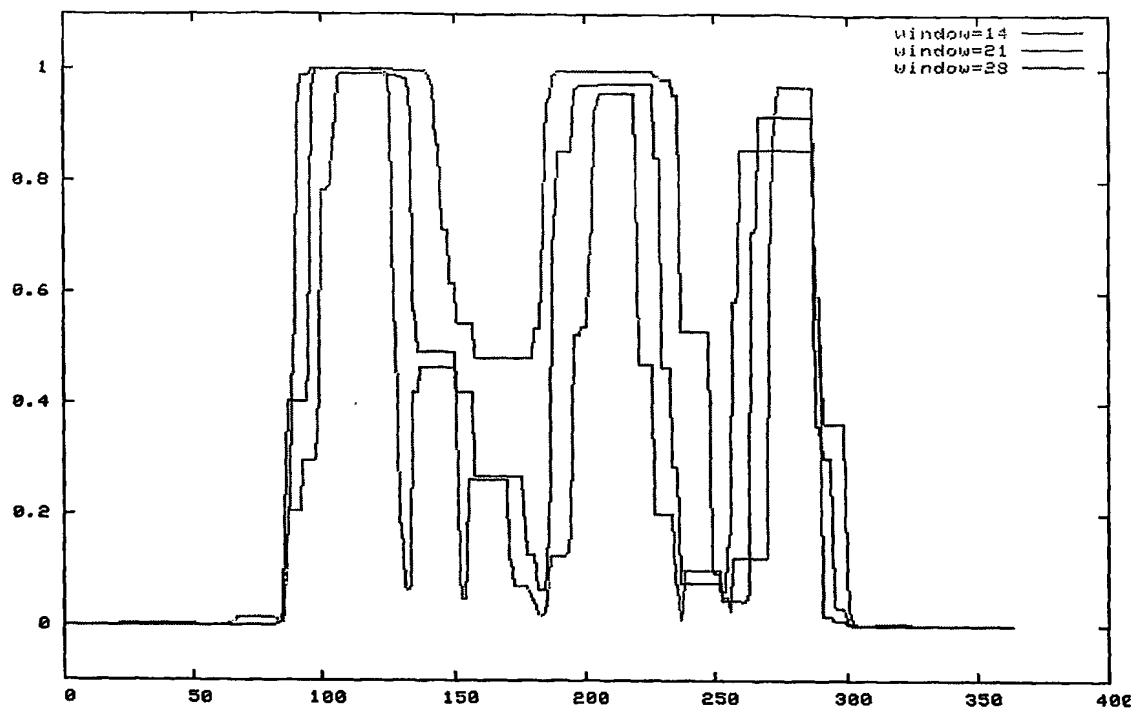
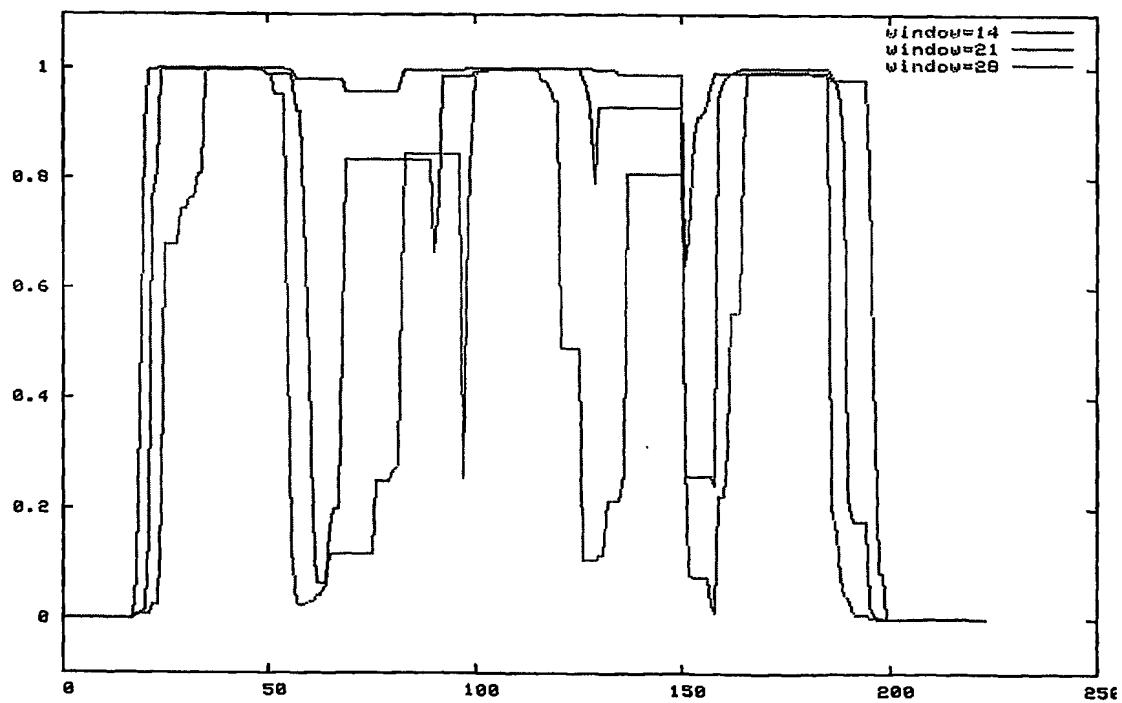


FIGURE 19

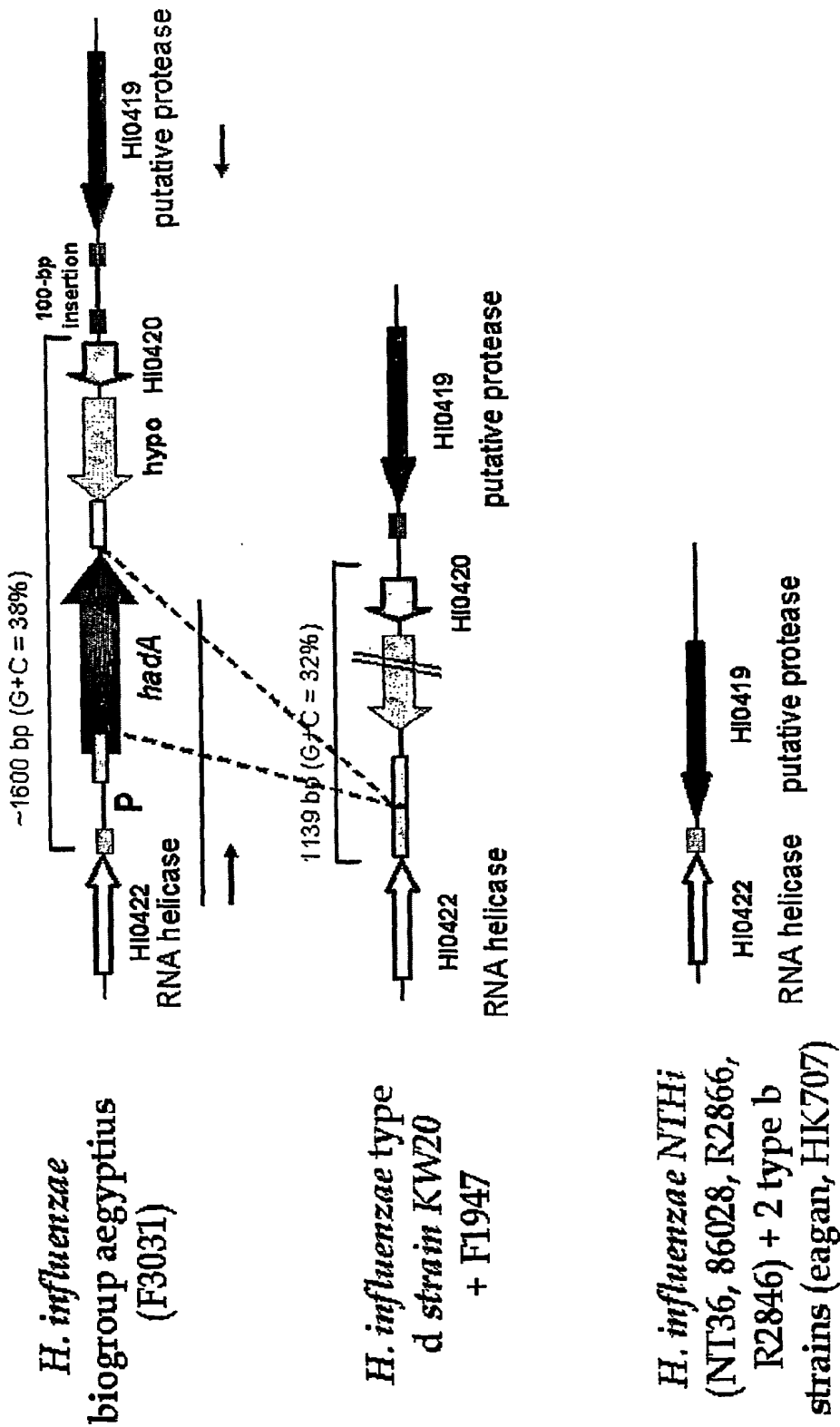


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FIGURE 21**FIGURE 21A****FIGURE 21B**

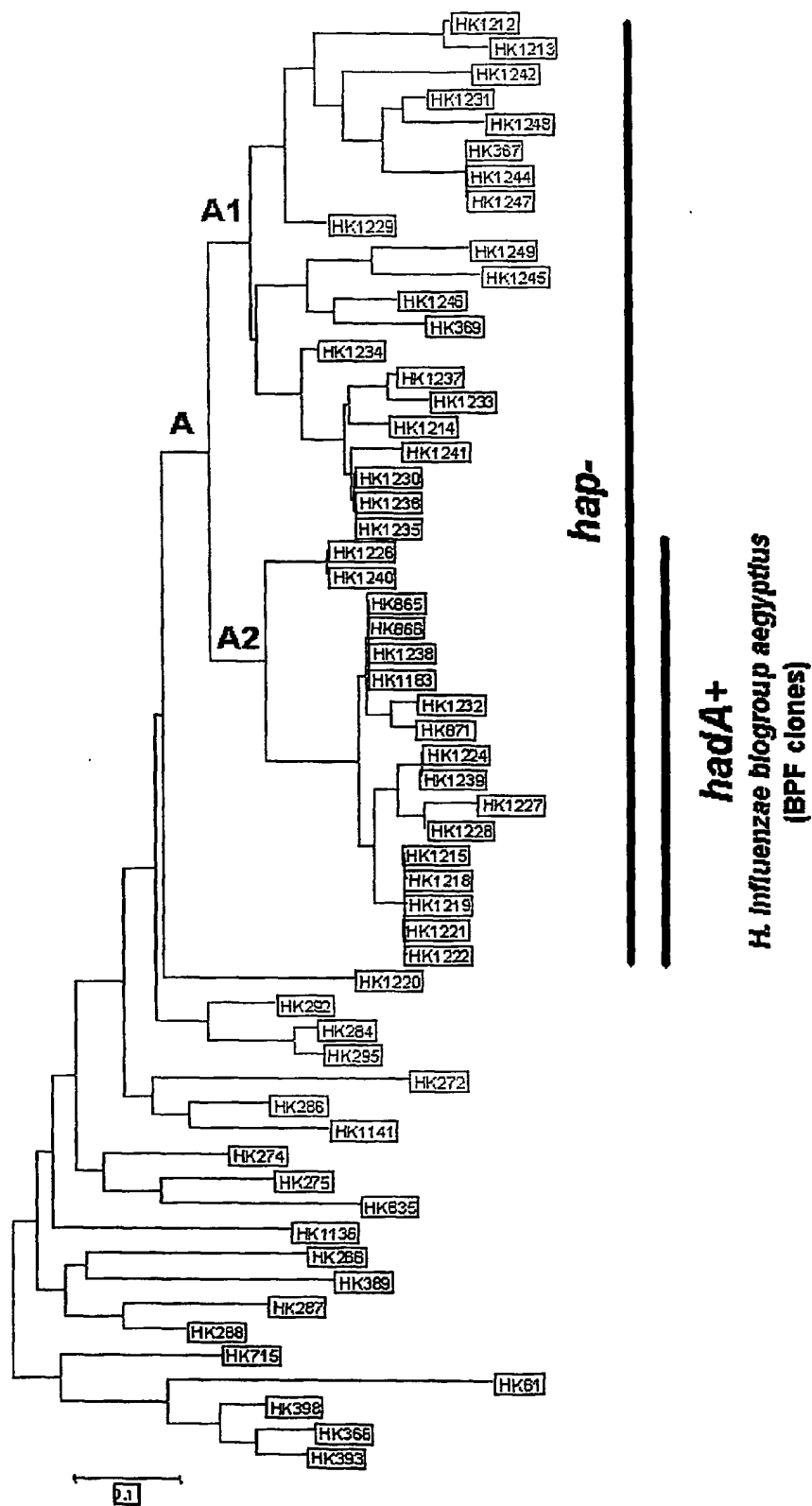
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FIGURE 22

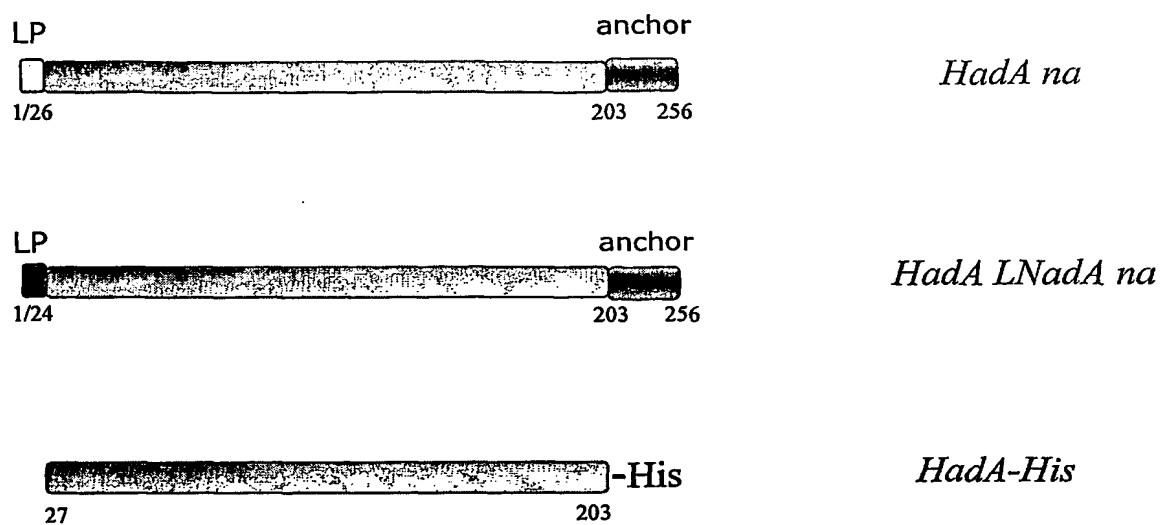
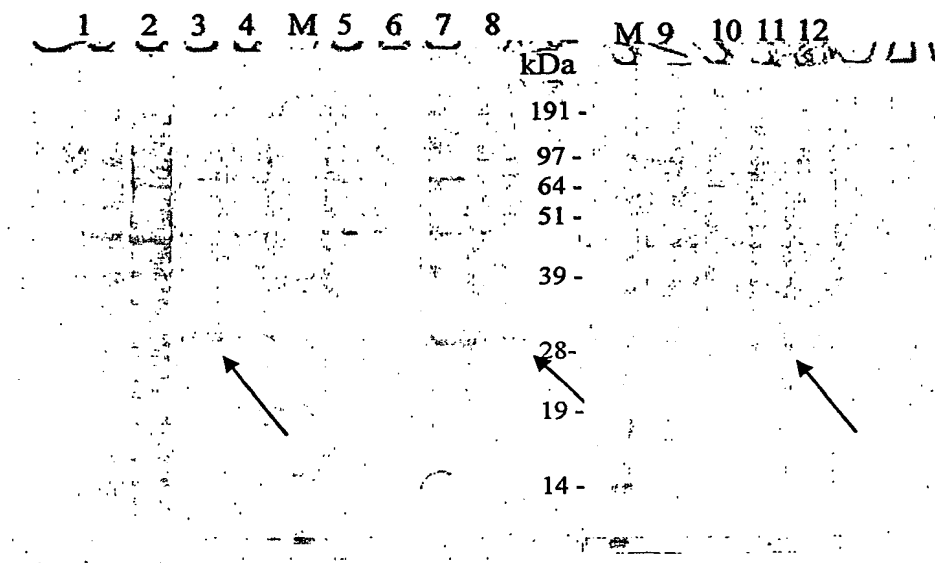


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FIGURE 23



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FIGURE 24**FIGURE 25**

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FIGURE 26

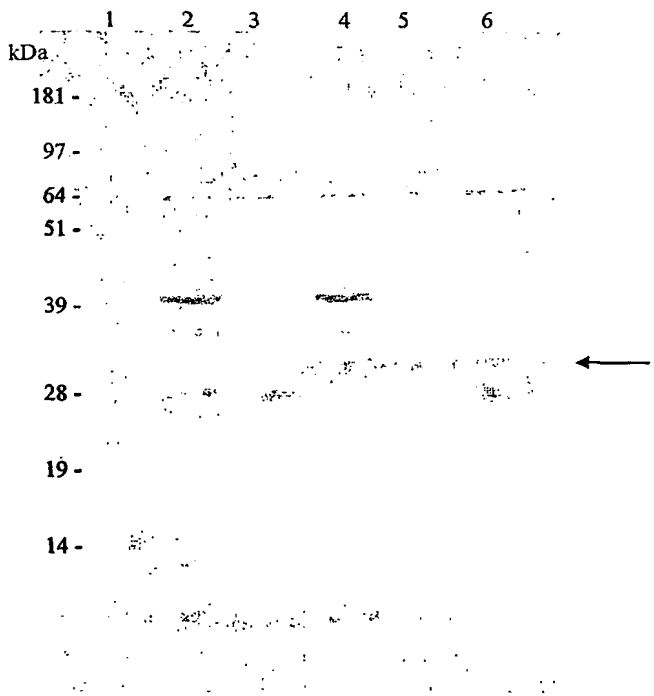
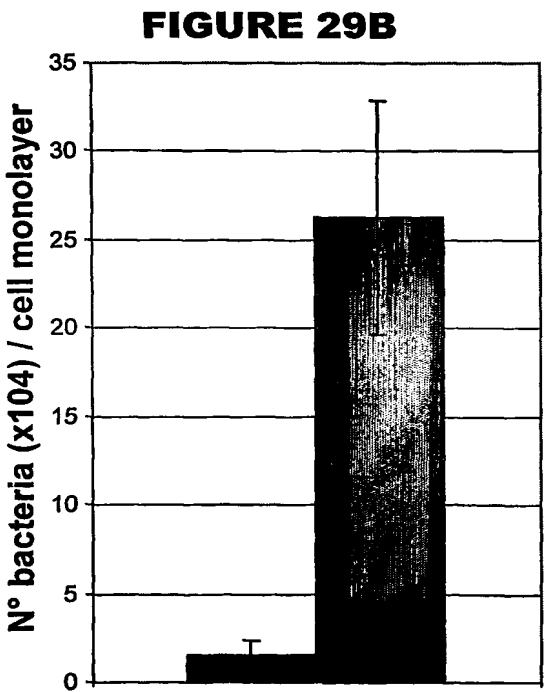
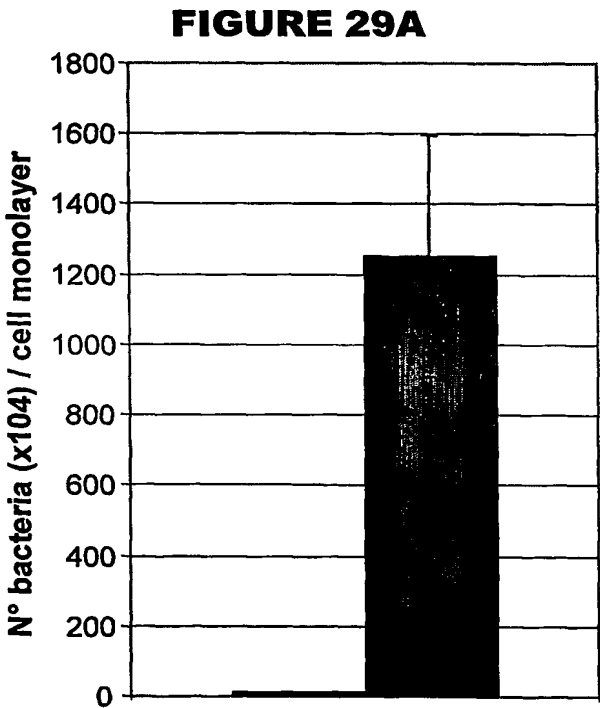
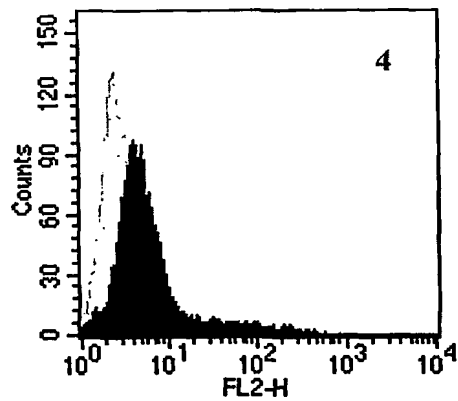
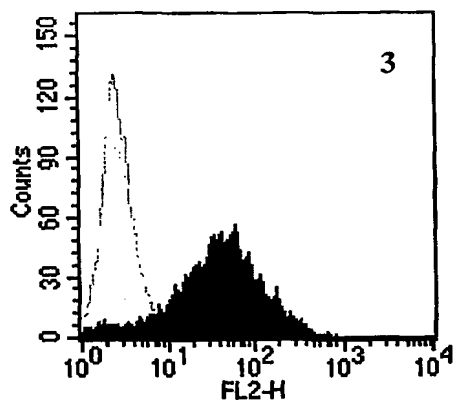
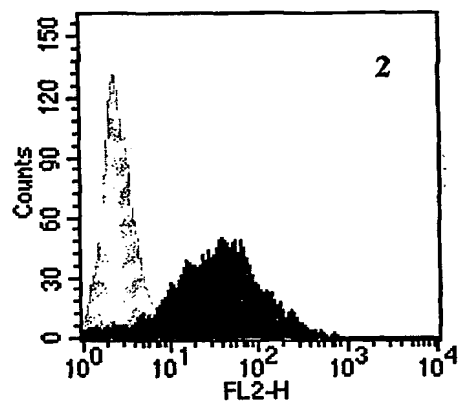
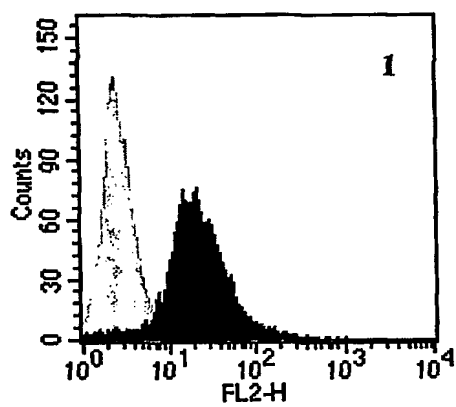
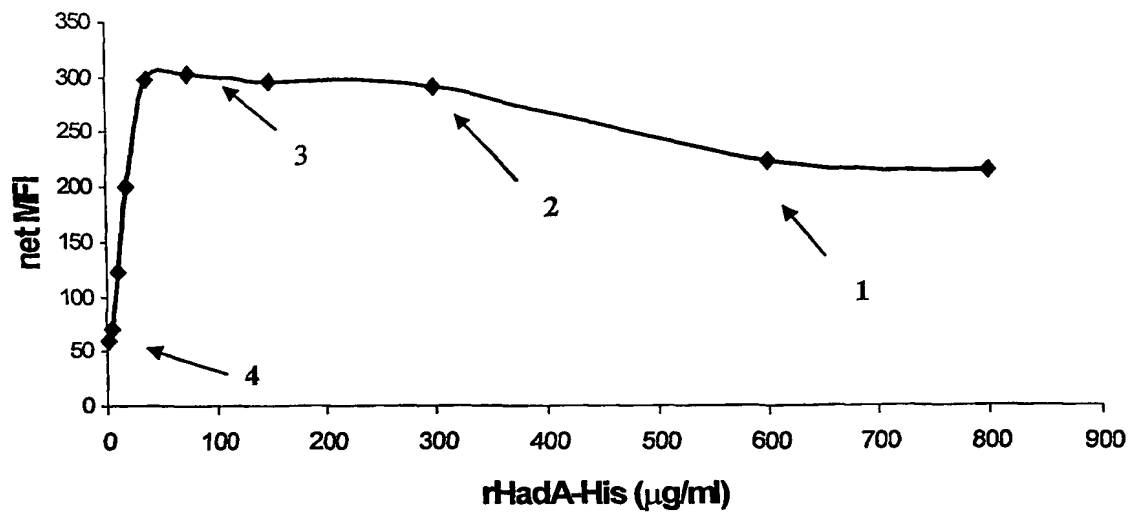


FIGURE 29



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FIGURE 27

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FIGURE 28

FIGURE 28A

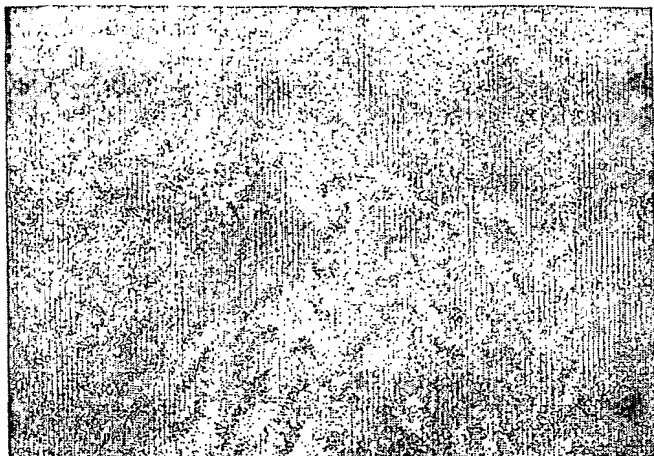


FIGURE 28B



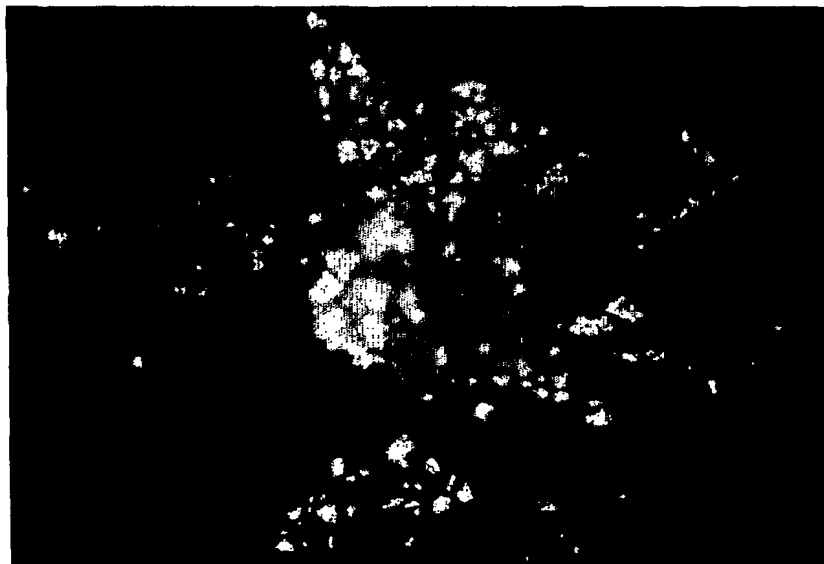
FIGURE 28C



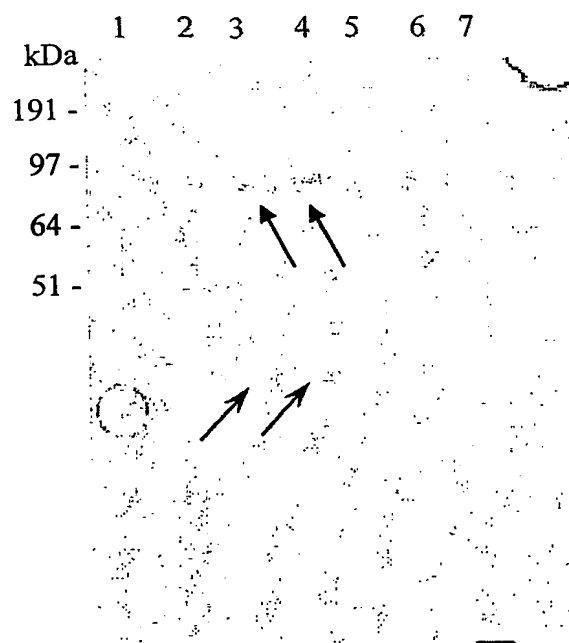
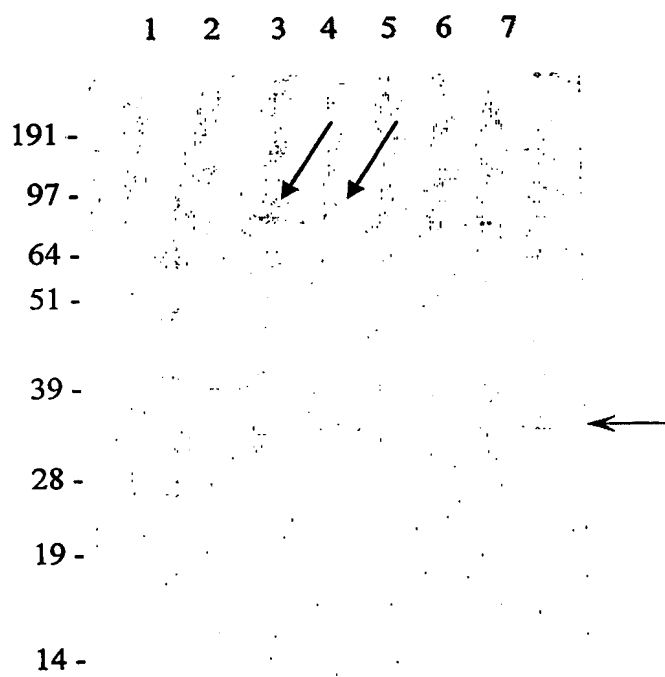
FIGURE 28D



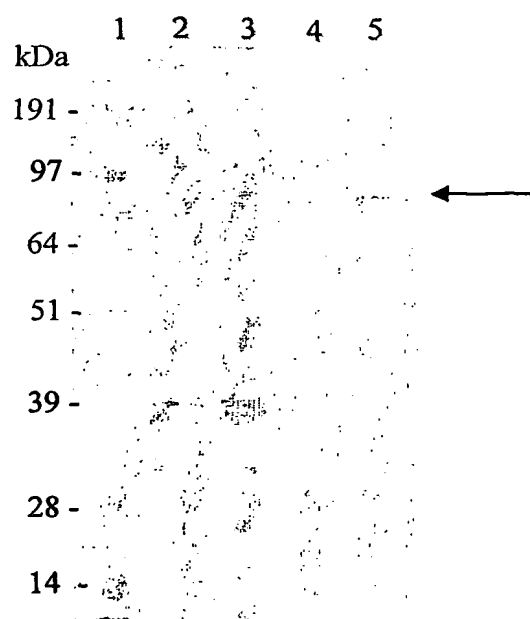
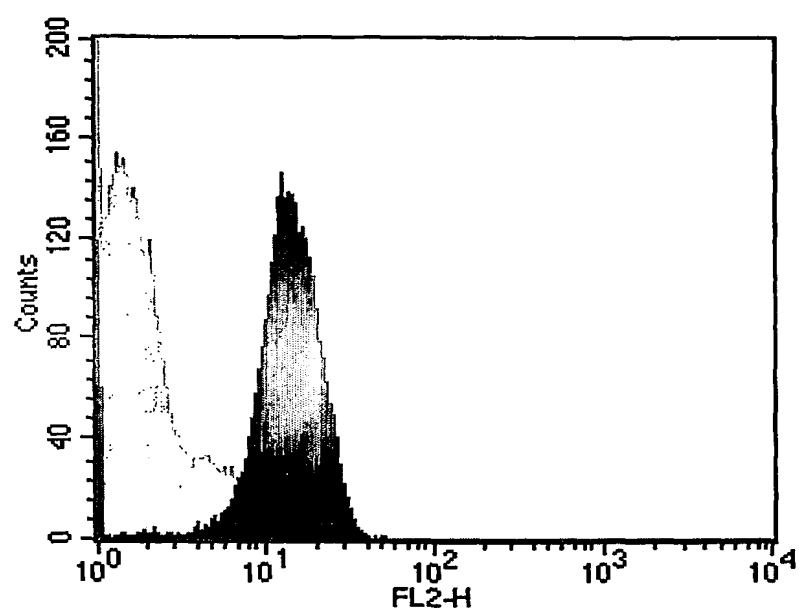
FIGURE 30



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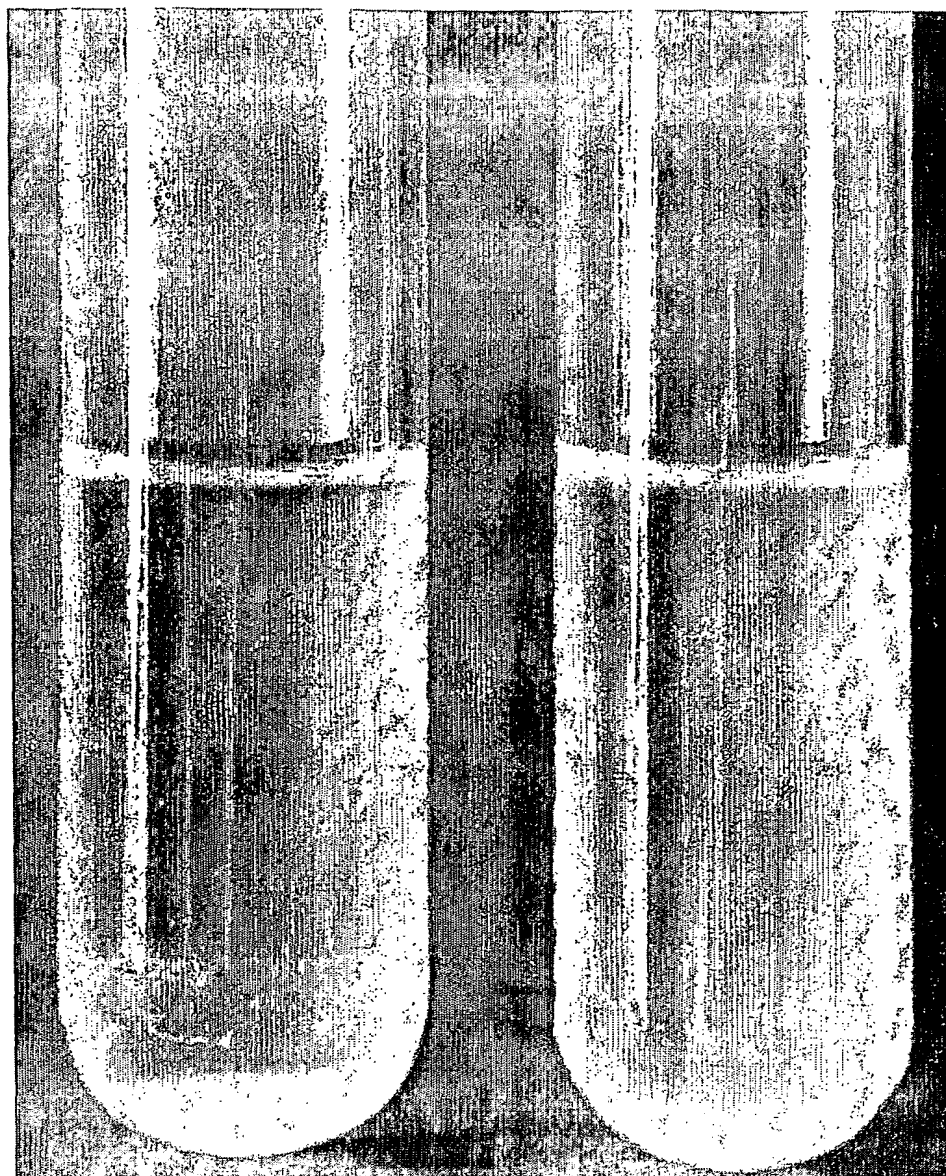
FIGURE 31**FIGURE 32**

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FIGURE 33**FIGURE 34**

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FIGURE 35



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